



Bachelor of Applied Technology Geographic Information Systems

The Bachelor of Applied Technology Geographic Information Systems program will provide you with the skills and knowledge to succeed in one of the fastest-growing sectors of information technology.

Geographic Information System (GIS) combines the power of relational database management systems with the flexibility of cartographic display technology and is used for problem-solving and decision making.

To succeed in the program, you will need to be comfortable working in a computer environment and have a good working knowledge of file management, word processing, and spreadsheet software applications.

This is a two-year, applied degree program consisting of two 15-week semesters in year one, followed by a work-integrated learning (practicum) in year two. For online delivery, students can take the courses part-time such as a couple of courses per semester.

The program accepts students into the first semester in September as well as January.

Is this the right fit for me?

Students with higher grades usually experience more success in SAIT programs.

Typical geographic information systems job placement advertisements suggest that the ideal practitioner has a sound technical background, is self-motivated, and is disciplined in achieving results.

Successful geographic information systems professionals are also associated with individuals who can problem-solve through the application of creative and innovative solutions, and provide service based on the concept of continuous improvement.

For on-campus delivery, contact time with instructors in lectures and labs is about 25 hours per week. The average student is expected to spend about an additional 25 hours per week on assignments, studying, and projects.

For online asynchronous delivery, online learning requires more independent learning time from the students. Students spend 10-15 hours per week per 3 credit course in the BGIS program to study materials, do the readings, homework, assignments, etc. It is highly recommended that students take 2-3 courses per semester.

Graduates will often work in teams of various sizes. In this program, all courses require working in teams for projects or lab assignments. This requires good communication and interpersonal skills.

Credential

Upon successful completion of this program, graduates will receive a SAIT Bachelor of Applied Technology Geographic Information Systems degree.

Admission requirements

Application dates

Applications are accepted until the program start date but are subject to change.

- **Fall 2022 start:** Applications opened on Oct. 6, 2021.
- **Winter 2023 start:** Applications opened on March 31, 2022.
- **Spring 2023 start:** Applications opened on June 13, 2022.

Program requirements

A two-year diploma from a recognized Canadian college, technical institute or equivalent, or successful completion of two years at a recognized post-secondary academic institution.

All applicants must demonstrate [English language proficiency](#) prior to admission, including students educated in Canada.

SAIT accepts [high school course equivalents](#) for admission. If you don't meet the requirements, consider [Academic Upgrading](#).

SAIT evaluates international documents for admissions. After you've applied, consider our [international document assessment](#) service if your education is from outside of Canada.

Direct entry: four-step process

Step 1: Read the program information to see the qualities needed for student success.

Step 2: Ensure that you meet all of the admission requirements listed above.

Step 3: [Apply](#) to Bachelor of Applied Technology Geographic Information Systems and [submit your transcripts and/or anticipated final grades](#).

- Admission will be extended on a first-qualified, first-offered basis until the program is full.

Step 4: Find out how to monitor your [application status](#).

Communication during admission

Email is the primary source of communication during the selection process. Ensure your personal email account is managed appropriately to receive our emails, files and communications. We recommend you add the construction.advising@sait.ca domain to your safe senders' list or you risk missing critical email messages.

Costs 2022/23

Domestic tuition and fees

Cost per credit: \$201

| Year | Number of semesters | Tuition fees | SAIT fees | Saitsa fees* | Total |
|------|---------------------|--------------|-----------|--------------|------------|
| 3 | 2 | \$6,030 | \$916 | \$553 | \$7,499 |
| 4 | 2 | \$1,151.72 | \$916 | \$553 | \$2,300.72 |

Domestic cost per course

| Course credits | Course cost |
|----------------|-------------|
| 1.5 | \$301.50 |
| 3.0 | \$603 |

International tuition and fees

Cost per credit: \$710.40

| Year | Number of semesters | Tuition fees | SAIT fees | Saitsa fees* | Total |
|------|---------------------|--------------|-----------|--------------|------------|
| 3 | 2 | \$21,312 | \$916 | \$553 | \$22,781 |
| 4 | 2 | \$4,070.57 | \$916 | \$553 | \$5,539.57 |

International cost per course

| Course credits | Course cost |
|----------------|-------------|
| 1.5 | \$1,065.60 |
| 3.0 | \$2,131.20 |

*Maximum fee. Actual fees may be less and are based on the number of credits a student takes per semester and whether they opt-out of health and dental benefits.

SAIT fees

- Campus athletic and recreation fee: \$196
- Universal transit pass (Upass): \$320
- Student support fee: \$200
- Student technology fee: \$200

The above fees are based on a course load of nine (9) or more credits per semester. Students taking less than nine (9) credits per semester do not qualify for the Upass. Other fees will be adjusted based on reduced credit load.

Saitsa fees

Student Association fee

- Maximum: \$291

This is the maximum amount the student will pay. Actual fees may be less and are based on the number of credits the students take per semester.

Health and dental fees

- Health plan: \$127
- Dental plan: \$135

Students with existing health and/or dental plans can opt-out. Please refer to [Saitsa's website](#) for information.

Students taking less than nine (9) credits per semester do not qualify for health and dental benefits.

Books and supplies*

Books and supplies are approximately \$500 per full-time year.

For an estimate of the costs associated with purchasing a computer that meets the program's hardware and software requirements, see our [computers and laptops page](#).

Learn more about [tuition and financial aid](#).

*Tuition, fees, books and supply costs are subject to change.